

## Section 2. Form PTO - 1449 (Modified) (ATTACHMENT)

FORM PTO-1449 U.S. DEPT. OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. QIL-5	SERIAL NO. 10/074,493
	APPLICANT Ledentsov et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE 2/12/2002	GROUP 2828

## U.S. PATENT DOCUMENTS

Exam Initial	DOCUMENT NUMBER	DATE	PATENTEE	CLASS	SUB	FILING DATE IF APPROPR

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exam Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB	TRANSLATION YES   NO

## OTHER PRIOR ART

Exam Initial	Author, Title, Date, Pertinent Pages, Etc
CH	N.N. Ledentsov and V.A. Shchukin. "Novel concepts for Injection Lasers" Opt. Eng. Vol. 41, No. 12, 2002, pg. 3193-3203.
	"Materials and Devices For Optical and Wireless Communications (APOC02) - Conferences - APOC 2002" The International Society for Optical Engineering, October 2002 <a href="http://spie.org/Conferences/Programs/02/apoc/conferences/index.cfm?fuseaction=4905">http://spie.org/Conferences/Programs/02/apoc/conferences/index.cfm?fuseaction=4905</a>
	N.N. Ledentsov and V.A. Shchukin. "Novel to Approaches to Semiconductor Lasers" Proceedings of SPIE, vol. 4905, 2002, pg. 222-234
	IOP Select, Collected Articles from the Institute of Physics 2004 <a href="http://www.IOP.org/Select">http://www.IOP.org/Select</a>
	N N Ledentsov, et al. "Wavelength-stabilized tilted cavity quantum dot laser" Semicond. Sci. Technol. 19 No 10 (October 2004) 1183-1188
	"ETOS 2004" Emerging Technologies in Optical Sciences: Shaping the future of Communications, July 2004 <a href="http://www.physics.ucc.ie/ETOS/Speakers.html">http://www.physics.ucc.ie/ETOS/Speakers.html</a>
	Ledentsov, Nikolai, "The Tilted Cavity Laser" Emerging Technologies in Optical Sciences: Shaping the future of Communications, ETOS 2004, July 26-29, University College Cork.
	"Nanomodeling - Conferences - SPIE Annual Meeting 2004-Programs-Conferences-SPIE web" The International Society for Optical Engineering <a href="http://spie.org/Conferences/Programs/04/am/conferences/index.cfm?fuseaction=5509">http://spie.org/Conferences/Programs/04/am/conferences/index.cfm?fuseaction=5509</a>
	V.A. Shchukin et al. "Tilted Cavity Laser" Nanomodeling, Proceedings of SPIE, Vol. 5509, pg. 61-71, 2004
	Physics and Simulation of Optoelectronic Devices XIII, Conference 5722, Proceedings of SPIE, Vol. 5722, January 2005
	N N Ledentsov, et al. "Edge and Surface Emitting tilted Cavity Lasers" to be presented at January 2005 conference
	Compound Semiconductor Manufactures EXPO, Compound Semiconductor Week 2004, October 2004.
CH	N N Ledentsov, et al. "Tilted cavity lasers Based on Quantum Dots or Quantum Wells", Extended abstract of Compound Semiconductor conference, October 2004
EXAMINER	DATE CONSIDERED 8/20/05

DT10 Rec'd PCT/PTC 24 SEP 2004

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/074,493	
	Filing Date	2/12/2002	
	First Named Inventor	Ledenstsov et al.	
	Art Unit	2828	
	Examiner Name	Comelius Jackson	
Total Number of Pages in This Submission	6	Attorney Docket Number	QIL-5

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Brown & Michaels PC
Signature	<i>Michael J. Brown</i> Reg. No. 45,612
Date	9/22/04

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

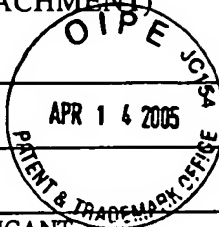
Exam Initial	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB	TRANSLATION YES   NO

OTHER PRIOR ART

Exam Initial	Author, Title, Date, Pertinent Pages, Etc
CHP	Yariv, Amnon and Yeh, Pochi, "Optical Waves in Crystals" A Wiley-Interscience Publication; John Wiley & Sons, 1984, pages 155-219.
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	4/20/05

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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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CH	EP 0 342 953	11/23/1989	EPO			

## OTHER PRIOR ART

Exam Initial	Author, Title, Date, Pertinent Pages, Etc
CH	Pezeshki B et al., "Multiple Wavelength Light Source using an Asymmetric Waveguide Coupler," Applied Physics Letters, American Institute of Physics. New York, US, vol. 65, no. 2, 11 July 1994 (1994-07-11), pages 138-140.
CH	Pezeshki B. et al., "A Gratingless Wavelength Stabilized Semiconductor Laser," Applied Physics Letters, American Institute of Physics. New York, US, vol. 69, no. 19, 4 November 1996 (1996-11-04), pages 2807-2809.
CH	Bardia Pezeshki et al., "Vertical Cavity Devices as Wavelength Selective Waveguides," Journal of Lightwave Technology, IEEE. New York, US, vol. 12, no. 10, 1 October 1994 (1994-10-01), pages 1791-1801.
EXAMINER	DATE CONSIDERED
	4/20/05